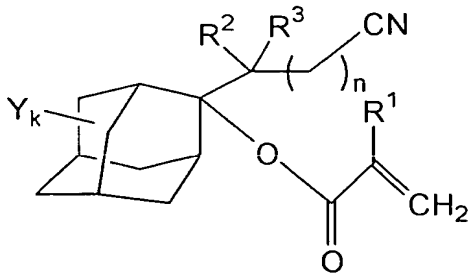
What is claimed is:

1. An adamantane derivative characterized by having a structure represented by Formula (I):

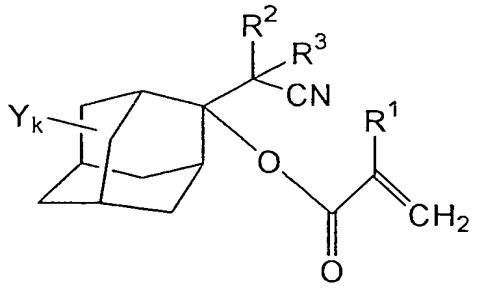


. . . (I)

wherein R^1 represents a hydrogen atom, methyl or trifluoromethyl; Y represents an alkyl group having 1 to 10 carbon atoms, a halogen atom, a hydroxyl group or =O formed by combining two Y, and plural Y may be the same or different; R^2 and R^3 represent a hydrogen atom or an alkyl group having 1 to 10 carbon atoms; k represents an integer of 0 to 14; n represents an integer of 0 to 3; and R^2 and R^3 may be the same or different.

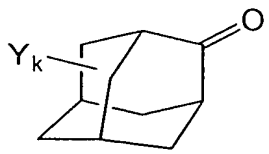
2. The adamantane derivative as described in claim 1, wherein n is 0 in Formula (I) described above.

3. A production process for an adamantane derivative represented by Formula (I-a):



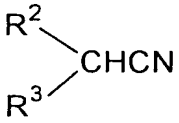
· · · (I-a)

(wherein R^1, R^2, R^3, Y and k are the same as those described above), characterized by reacting adamantanes represented by Formula (II):



· · · (II)

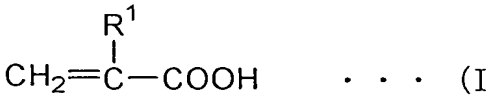
(wherein Y represents an alkyl group having 1 to 10 carbon atoms, a halogen atom, a hydroxyl group or =O formed by combining two Y; k represents an integer of 0 to 14; and plural Y may be the same or different) with a nitrile compound represented by Formula (III):



· · · (III)

(wherein R^2 and R^3 represent a hydrogen atom or an alkyl group having 1 to 10 carbon atoms; and R^2 and

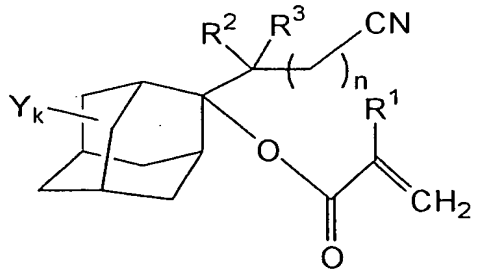
R^3 may be the same or different) in the presence of a base and then with acid halide or acid anhydride of (meth)acrylic acids represented by Formula (IV):



$$CH_2=C(R^1)-COOH \quad \cdots \text{(IV)}$$

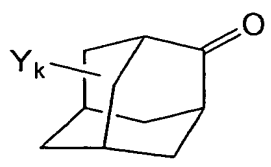
(wherein R^1 represents a hydrogen atom, methyl or trifluoromethyl).

4. A production process for an adamantane derivative represented by Formula (I):



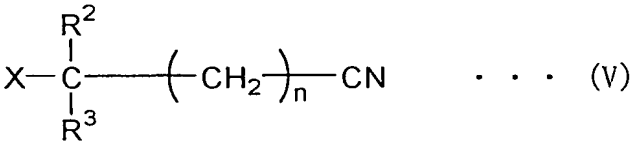
$$\cdots \text{(I)}$$

(wherein R^1, R^2, R^3, Y, k and n are the same as those described above), characterized by subjecting adamantanes represented by Formula (II):



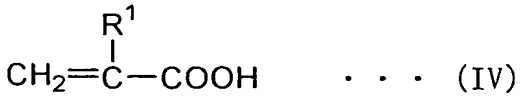
$$\cdots \text{(II)}$$

(wherein Y represents an alkyl group having 1 to 10 carbon atoms, a halogen atom, a hydroxyl group or =O formed by combining two Y; k represents an integer of 0 to 14; and plural Y may be the same or different) to Grignard reaction with a nitrile compound represented by Formula (V):



(V)

(wherein R^2 and R^3 represent a hydrogen atom or an alkyl group having 1 to 10 carbon atoms; X represents a halogen atom; n represents an integer of 0 to 3; and R^2 and R^3 may be the same or different) and then reacting it with acid halide or acid anhydride of (meth)acrylic acids represented by Formula (IV):



(IV)

(wherein R^1 represents a hydrogen atom, methyl or trifluoromethyl) .

5. The production process for an adamantane derivative as described in claim 4, wherein n is 0 in

the nitrile compound represented by Formula (V).